

**BASIC ELECTRONICS TRAINING SYSTEM, DEVICE 6B38****TRAINING CATEGORY:**

BASIC SCIENCE (Electronic)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 6B38 is unclassified.

CONTRACT IDENTIFICATION:Manufactured by Nida Corp., 300 S. John Road
Blvd., Melbourne, FL 32904 under NAVTRASYS-
CEN Contract No. N61339-85-C-0117.**LOCAL STOCK NUMBER:**

6910-LL-C00-6813

TRAINING CATEGORY:

Basic Electricity and
Electronic Training

ORIGINATING AGENCY:

NIDA CORPORATION

**SECURITY CLASSIFICATION OF
DEVICE:**

Device 6B38 is un-
classified.

PURPOSE OF DEVICE:

To provide indepth hands-
on training in the
fundamentals of electricity and
electronics.

INTENDED USE:

In Basic Electricity and
Electronics Schools and various
Electronics Oriented "A"
Schools for classroom training
of enlisted electronics
maintenance personnel.

FUNCTIONAL DESCRIPTION:

The Device 6B38 Teaching
System is designed to allow
each electronics training
institution to select hardware
which will meet their specific
electronics training
objectives. Available courses
are Basic Electricity covering
AC and DC theory; Basic
Electronics, covering Linear
and Digital circuits; and
Selective electronics
systems, covering radio
receivers, video games,
oscilloscopes, digital
voltmeters, optics and others.

As the electronics
technology changes new training
modules are developed and
offered, providing the
instructor the ability to
quickly and inexpensively
update the program of
instruction in order to keep
pace with the electronics
industry. In cases where
schools can identify a specific
need, experiments demonstrating
these circuits can be
developed.

Each 6B38 lab experiment
has specially designed and
preassembled circuit boards
applying specific theory in the
laboratory. By plugging the
circuit cards into the Test
Console each experiment can be
performed with great accuracy
and efficiency.

Since all necessary DC and
AC power supplies are built
into the console and the
experiments boards are fully
assembled and pretasted before
shipment, absolute minimum set-
up time is assured. Through
use of fault switches mounted
on the test console, in-circuit
faults can be easily inserted,
providing in-depth
troubleshooting practice.

Hardware involved in the
6B38 system consists of a Test
Console and a series of over
150 plug pre-assembled printed
circuit cards. Additional
cards are being designed and
will be added to the existing
library of cards

PHYSICAL INFORMATION:

Dimensions: 18"(46cm)W,
15"(38cm), 8"(20cm)H

Weight: 22 lbs., 10 Kg

Case: Anodized aluminum with
lockable steel cover for
fault switches.

EQUIPMENT REQUIRED (NOT SUPPLIED)

Dual Trace Oscilloscope
Signal Generator
Multimeter

POWER REQUIREMENTS:

115 Vac (2A max) 50/60 Hz
switch controlled with pilot
light & primary fuse protection.

PUBLICATIONS FURNISHED:

Instruction Manual for
operation of the Basic
Electronics Training System
Device 6B38.

PERSONNEL:

Instructor: Qualified to teach
Basic Electricity and
Electronics.

Operator: Student (Trainee)

Trainees: Up to two per
device

Maintenance: As required.

CONTRACT IDENTIFICATION:

Manufactured by Nida
Corporation, Melbourne, Florida
under Contract No. N61339-85-
C-0117